

**ABSTRACT****Cost-Sensitive Control of Data Transfer Involving a Mobile Entity**

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A service system (40) receives transfer descriptors each specifying parameters of a desired data transfer to/from a mobile entity (20) over a cellular radio infrastructure (10). These parameters include a cost criterion. The service system (20) is responsible for determining the lowest cost way of effecting each required data transfer within the limits set by the corresponding transfer descriptor, and for initiating the transfer in accordance with this determination.

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